

Effect of Ultra-Violet Rays on Photo-Chemical
Activity of Chloroplasts, by I. V. Verezhinskiy,
A. A. Krasnovskiy, 17 pp.

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pp 621-626.

Sci Tr Center RT-2147

Scientific - Chemistry
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The Influence of Ultraviolet Rays on the Absorption
Spectra of Amino Acids, by I. P. Miskchenko, 15 pp.

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Sci Tr Center

BT-1595

Scientific - Chemistry

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Chromatographic Break Down of Tea Tannin, by M. N.
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97-107.

INDOC-1934

61-69-37601

Sci

Jul 59

91,379

(FDD 18209)

Formation and Transformation of Phosphoryl Choline
in the Process of the Synthesis of Acetylcholine in
Brain Extract, by P. A. Konstantini, 87 pp.

RUSSIAN, bimo per, Biokhim, Vol XVII, No 1, Moscow/
Leningrad, Jan/Feb 1952, pp 108-118.

CIA/FDD/D-5321

USSR

Scientific - Biochem

Jan 54

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Problems of Priority of Domestic Biochemistry
About Priority of Soviet Science on the Road
of Prolonged Status of Excitation of Organic
Molecules, by A. N. Terenin, 6 pp. UNCLASSIFIED

Full translation.

RUSSIAN, per, Biokhimiya, Vol XVII, 1952, pp 123-126

ABC Tr 2033

3064

Scientific - Chemistry Jun 53 CTS/DEK

Changes in the Ascorbic Acid Content of Tubers and
of the Subterranean Parts of Potatoes Under Different
Conditions of Growth, by G. S. Aslanyan,
T. T. Z. Vartanyan.

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NZDSIR/No 566

Sci
Jan 65

The Mucin of Saliva as a Glycolipoprotein, by
M. E. Kazakova, 10 pp.

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pp 195-197.

NIH

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Oxidative Changes in Tea Catechins, by A. L.
Kursanov, M. N. Zaprmetov.

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TESDOC-T1935

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475-11375

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Determination of Glucoalkaloids in the Potato Family,
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RUSSIAN, per, Biokhimiya, Vol 17, 1952, pp 362-367.
*NTIS TT 72-51057

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Types of Union of Enzymes With the Protein
Complex of Plastids, by N. M. Sisakyan, A. M.
Kotyakova.

RUSSIAN, per, *Biohimiya*, Vol XVII, 1952,
pp 368-375.

ABC Tr 2461 367,745

Sci -Medicine, Chemistry

Jun 1956

Palladin, A. V.
METABOLISM OF CEREBRUM DURING INHIBITION
AND EXCITATION OF THE HIGHER NERVOUS
ACTIVITY [Oboznenie Veshchestv v Golovnom Mozge
pri Tormozhenii i Vozbuzhdenii Vysshoi Nervnoi
Deyatel'nosti] tr. by Zaida D. Knowles. 12 Aug 53.
14p. (6 figs. omitted) 7 refs.
Order from OIS or SLA \$1.00

NIH
61-28106

Trans. of Biochimiya (USSR) 1952, v. 17, no. 4,
p. 456-461.

Another trans. is available from SLA as RT-128.

DESCRIPTOR: *Brain, *Metabolism, Inhibition,
Excitation, *Autonomic nervous system, Sleep,
Nucleic acids, Cells (Biology), Exchange reactions,
Physiology, Cerebral cortex.

Experiments revealed that during sleep metabolism
(Biological Sciences--Biochemistry, TT, v. 7, no. 6)

(over)

61-28106

- I. Title: Pervitin
- I. Palladin, A. V.
- II. National Institutes of Health,
Bethesda, Md.

4889

Office of Technical Services

Petrova, A. N.
**STUDY OF THE PROCESSES OF ENZYMIC
 GLYCOGEN DECOMPOSITION IN MUSCLES OF
 RABBITS WITH ALLOXAN DIABETES** [Izucheniye
 Protezovoy Enzimaticheskogo Raspada Glikogena v
 Myshitsakh pri Alloxanovom Diabete u Krolikov] tr.
 by Zaida D. Kozules. 13 Aug 53, 15p. (3 figs.
 omitted) 6 refs.

Order from OTS or SLA \$1.60

61-28077

Trans. of Biokhimiya (USSR) 1952, v. 17, no. 4,
 p. 469-473.

Another trans. is available from SLA as RT-129.

DESCRIPTORS: Decomposition, Muscles, Rabbits,
 *Glycogen, Glycolysis, Diseases, *Alloxan, Toxicol-
 ogy, *Diabetes, Cells (Biology), Mitosis, Liver,
 Carbohydrates, *Insulin, *Deficiency diseases.

(Biological Sciences--Pathology. TT, v. 7, no. 1)
 (over)

61-28077

I. Petrova, A. N.
 II. National Institutes of
 Health, Bethesda, Md.

4888

1.17

Office of Technical Services

Rachinskii, V. V., Krayanova, E. I., and
Krayanova, S. E.
METHODS OF PRODUCTION AND ANALYSIS OF
PAPER CHROMATOGRAMS OF SUGARS (Metodika
Polucheniya i Analiza Bumazhnykh Khromatogram
Sakharov). [1964] [14p]
Order from OTS, SLA, or BTC \$1.60 TT-64-10289

Trans. of Biokhimiya (USSR) 1952, v. 17, no. 3,
p. 551-556.

(Biological Sciences--Biochemistry. TT. v. 12, no. 2)

TT-64-10289

I. Rachinskii, V. V.
II. Krayanova, E. I.
III. Krayanova, S. E.

Office of Technical Services

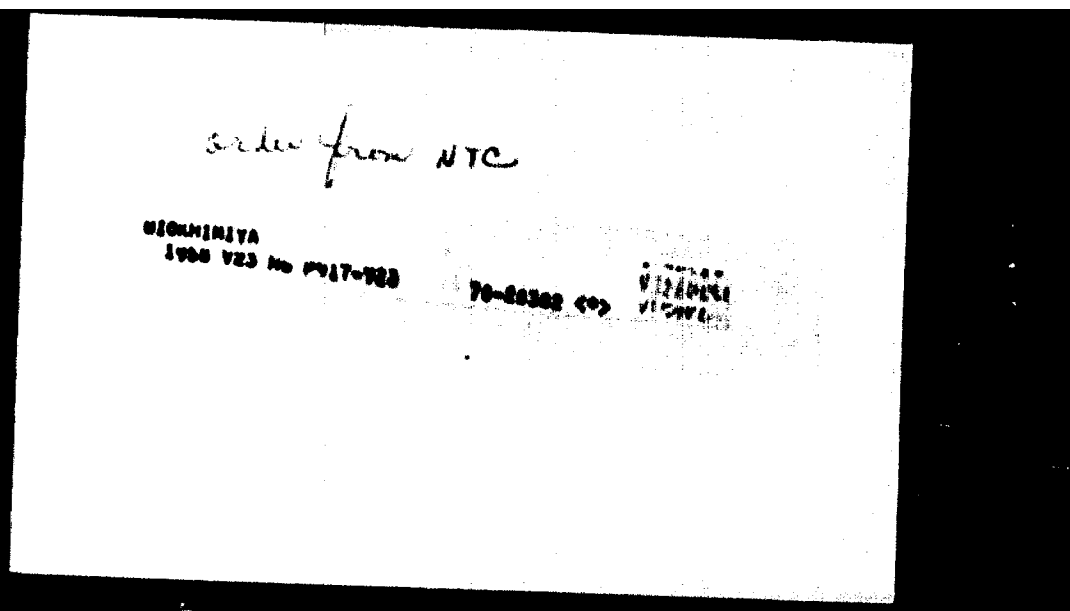
Simple Microbiological Method of Determining
Pyridoxins (Vitamin B₆), by M. N. Meisel', N. A.
Pomoshchnikova. UNCLASSIFIED

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Scientific - Biology

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RT 1117



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Tatarskaya.

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Def Sci Info Sv,
DPS, Canada
T 124 R

Scientific - Chemistry

CTS/DEX

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Change in Nucleo Protein Content in Plants Upon
Vegetative Hybridization, by G. I. Semenovskiy,
UNCLASSIFIED

RUSSIAN, per, Nikkhiniya, Vol XVII, No 6, Nov/Dec
1952, pp 655-659.

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Scientific

Biology

Dec 1954 CTS

Khesin, R. V.
 RATE OF EXCHANGE OF PHOSPHORUS OF THE
 RIBONUCLEIC ACID OF THE STRUCTURAL ELE-
 MENTS OF CYTOPLASM DURING DIFFERENT
 PHYSIOLOGICAL STATES [Soviet' Zhurnal
 Ribonukleinsvoi Kisloty Strukturykh Elementov
 Tsitoplazmy pri Razlichnykh Fiziolgicheskikh
 Sostoyaniyakh] tr. by Zaida D. Knowles. 1 July 53,
 33p. (1 fig. omitted) 31 refs.
 Order from OTS or SLA \$3.60

61-28102

Trans. of Biochimica (USSR) 1952, v. 17, no. 6,
 p. 664-673.

Another trans. is available from SLA as RT-127.

DESCRIPTORS: *Phosphorus, *Nucleic acids,
 *Chromosomes, *Cells (Biology), Exchange reactions,
 Secretion, Prototas, Embryos, Nuclei (Biology).

(Biological Sciences--Biochemistry. TT, v. 7, no. 1)
 (over)

61-28102

I. Khesin, R. V.
 II. National Institutes of
 Health, Bethesda, Md.

357
 3451

Office of Technical Services

On the Nature of the Changes of Fibrinogen Into
Fibris, by V. A. Balitsky, M. L. Khodanova.

RUSSIAN, per, Biochimica, Vol XVII, 1952, pp 676-683.

Nova Scotia No 217

Scientific - Medicine, biochemistry

Aug 53 CTS

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Vitamin Activity of Catechins From Tea
Leaves, by A. L. Karsanov, et al.

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CASINO

Sci - Chem
Jan 62

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The State of Glycogen in the Liver, by A. M.
Genkin, 8 pp.

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Scientific - Biology
CTB 75/Dec 55

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UCRL-Trans-10545

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QUANTITATIVE EMISSION-ANALYSIS OF TRACE ELEMENTS
IN NERVE-CELL NUCLEI. Volnar, A. O. Translated by
M. R. Blau for Univ. of California, Lawrence Radiation Lab.,
Livermore, from Biochimiya; 18: No. 1, 29-33(1953). 11p.

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ND-48 P RC

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Study of the Qualitative Peculiarities of
Muscle Glycogens in Rabbits Suffering From
Alloxan Diabetes, by E. L. Rosenfel'd,
E. G. Plyshevskaya, 10 pp.

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Sci Tr Center
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Scientific - Biology Mar 75 CTS

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The Influence of the Excitation of the Central Nervous System Upon Certain Processes in the Metabolism of Adrenalin in the Vascular Walls and in the Suprarenal Glands, by A. M. Utevsky, M. L. Butom. UNCL

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OCT-1000B

Sci - Med; Biol
Sep 59

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Participation of Carnitine in Certain Biochemical
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Various Animals, by P. B. Garkavi. UNCL

RUSSIAN, per, Biokhimiya, Vol XVIII, No 3,
1953, pp 302-304.

OCT-5723

Sci - Biol
Sep 59

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Concerning the Reversible Heat Denaturation
of Serum Albumin, by K. I. Strachinskiy,
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13 pp.

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SLA 60-18018

Sci
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Vol 4, No 9

184.682

(FID 20169)

Conversions of Phosphocreatine in the Brain Tissue of
Rats, by L. A. Tseitlin, 8 pp.

RUSSIAN, bino per, Biokhim, Vol XVIII, No 3, Moscow/
Leningrad, May/Jun 1953, pp 311-314

CIA/FID/0-5789

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Sci - Med

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Apr 54 GTS

Synthesis of Vitamin C in Chicks Depending
the Presence in the Ration of Folic Acid
Derivatives, by V. A. Kirsanova, E. A.
G. I. Ponomarev, A. V. Trufanov, B. I.
Yakovleva, 10 P2.

Index, also per, Biochim, Vol XVIII, No 3,
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Synthesis of Cellulose in Cotton Fiber, by
A. L. Kursanov, E. N. Vyakrebentseva, 11 pp.

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*See 7-10-53
p. 408*

Scientific - Chemistry Dec 53 CDS/DEX

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The Theory of the Processes of Amino-Acid
Exchange Catalysed by Pyridoxal Enzymes, by
A. E. Braunshtein, M. M. Shemyakin, 74 pp.
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RUSSIAN, /per, Bichin, Vol XVIII, No 4,
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Formation of Amylase by Cytoplasmic Granules
Isolated From the Cells of the Pancreas, by
R. B. Khesin, 31 pp.

RUSSIAN, per, Biokhimiya, Vol XVIII, No 4,
Jul/Aug 1953, pp 462-474. CIA 197102

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Sci - Biology

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Aug 1956

Isolation of Protein with Nucleosidophosphorylase
and Transpentosidase Activities, by G. A. Kritskiy,
S. S. Melik-Sarkisian, 13 pp.

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pp 475-479.

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Scientific - Chemistry

Dec 53

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A Method for the Determination of Flavone
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M. N. Nestyak,

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K-H 1705

Scientific - Biology

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Phosphorylated Carbohydrate Compounds in the White
(Breast) and Red (Leg) Muscles of the Hen, and
Their Metabolism, by N. V. Aleksakhina, 23 pp.

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521.

Sci Mus Lib 56/1148

Sci - Biology, chemistry

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The Obtaining and Certain Properties of Purified
Phosphomutase of ADP from Muscles, by A. I.
Sergei Kotel'nikova, 23 pp.

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pp 522-530.

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Scientific - Biology

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Carbohydrate-Phosphorus Exchange of Muscles in
the Process of Chick Ontogenesis and the Signi-
ficance of Carnosine and Anserine for Processes
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Nov 54 CTS

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Fluorometric Method for the Determination of Folic
Acid and Certain Data on Its Distribution, by
H. A. Andreyeva, 3 13 pp. UNCLASSIFIED

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pp 571-575.

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Scientific - Chemistry

Fermentative Synthesis of Glycosidic Bonds Under
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19 p.

RUSSIAN, per, Biokhimiya, 1953, Vol XVIII, No 6,
pp 688-695.

SLA 59-20356

Sci
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Vol 2, No 12

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Conversions of Beta-Alanine in ~~Yeast~~ Tissue
of Rat Kidneys, by K. F. Sorvachev, 14 pp.

RUSSIAN, per, Biochimiya, Vol XVIII, No 6,
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Scientific - Biology

Dec 1954 CTS

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Biochemical Changes in Muscle After Its
Denervation and Tenectomy and at the Inter-
growth in It of Nerve Fibers, by N. A. Yodavov,
M. I. Smirnov, P. G. Pasina, N. N. Dobbert,
18 pp.

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1953, pp 732-738.

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Scientific - Biology, Chemistry

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The Adsorption Photometric Method for Determining
Thiamine (Vitamin B₁), by A. S. Vecher, O. B.
Krayanskiy, 14 pp.

RUSSIAN, per, Zhikhimya, Vol XVIII, No 6, 1953,
pp 743-747. CIA D 151153

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Scientific - Chemistry

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CIS 66/mar 1975

Use of the Chromatography Method on Filter Paper for
Study of Phosphorus Compounds, by Ya. Gerasim-
Eliant, 11 pp.

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pp 748-752. UDA D 151180

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Scientific - Chemistry

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OTS 66/Mar 1973

On Storage of Enzymatic Preparations of Amino-Acid
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Sci Trans Center HT-3369

Scientific - Chemistry

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Separation of Alpha- and Beta-Crystalline,
Proteins of the Crystalline Lens, by V. N.
Orakhovich, K. F. Firfarova, M. P. Chernikov,
12 pp.

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CTB 70/Jul 55

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On the Nature of Quick Adaptive Activity Changes of
the Tryptophane-Peroxidase System in the Liver of
Animals, by E. F. Efremovskii, 30 pp.

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pp 68-79. CIA B 151175

XIX

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Scientific - Biology

CMS 66/mar 1973

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Comparative Chemical Investigation of Antigenic
Complexes of Various Types of Brucella, by
I. I. Dubrovskaya, UNCLASSIFIED

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Scientific - Biology

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The Content of Nucleic Acids and Their
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Affected by Developing Transplanted Tumors,
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COT-1001B

Sci - Med; Biol
Sep 59

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On the So-Called Reserve Albumin of Seeds, by V. L. Kretovich,
A. A. Bundel', 9 pp.
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OTS 63-11044

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93T-719

Sci - Biol & Med Sci
Mar 64

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Gavinskaya, O. M., L'vova, V. V., and Uspenskaya, V. D.

ELECTROPHORETIC ANALYSIS OF DOG SERUM PROTEINS (Elektroforeticheskoe Izuchenie Belkov Syvorotki Krovi Sobaki). 1963, 15p. 13 refs. PL-480 Agr.

Order from OIS \$0.50

63-11045

Trans. of Biokhimiya (USSR) 1954, v. 19, no. 3, p. 319-327. *9212588*

DESCRIPTORS: *Electrophoresis, Analysis, *Blood proteins, *Serum albumin, *Globulins, Diet, Proteins.

The electrophoretic mobilities of 8 protein components of dog serum, of albumin, α_1 , α_2 , α_3 , α_4 , β_1 , β_2 , and γ globulins were determined. The electrophoretic heterogeneity of α_1 , α_2 , and β_1 globulins was established and the mobilities of 6 new protein (Biological Sciences: Biochemistry, TT, v. 10, no. 3) (over)

63-11045

- I. Gavinskaya, O. M.
- II. L'vova, V. V.
- III. Uspenskaya, V. D.
- IV. PL-480 Agr (63-11045)
- V. National Science Foundation, Washington, D. C.

Office of Technical Services

Manakaya, S. M. and Bardinskaya, M. S.
AROMATIC COMPOUNDS OF THE CELL WALL OF
SPHAGNUMS (Aromaticcheskie Soedineniya Kletochnoi
Obolochki Sphagnovogo Msha) tr. by V. M. Pavloff. 1964.
Sp. 20 refs. NRCC Technical Trans. 992.
Order from NRCC \$0.50 NRCC C-3843

Trans. of Biokhimiya (USSR) 1964, v. 19, no. 3,
p. 332-335.

DESCRIPTORS: *Peat, Cells (Biology). *Organic com-
pounds, *Lignin, Determination, Fluorescence,
Oxidation, Aldehydes, Ultraviolet spectroscopy,
Biochemistry, *Mosses.

(Biological Sciences--Biochemistry, TT. v. 8, no. 1)

62-12446

- I. Title: Sphagnum
- I. Manakaya, S. M.
- II. Bardinskaya, M. S.
- III. NRCC TT-992
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Office of Technical Services

Study of the Chemical Nature and Some Properties
of an Adrenocorticotrophic Hormone Preparation of
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Investigation of the Conditions of Incorporation
of Amino Acids Into "Individual" Proteins and
Protein Complexes, by A. S. Konikova, N. O.
Kritman, O. P. Samarin, 27 pp.

RUSSIAN, per, Biokhimiya, Vol XII, No 4, 1954,
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Synthesis of Glutamine and Asparagine in Tissues of
the Animal Organism, by H. H. Lestrovaya, 18 pp.

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MARDASHEV, S. and PLEKHAN, M. Interaction of glyox
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Incorporation of Labeled Amino Acids Into Proteins
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M. I. Levant, T. P. Levehuk-Eurokhtina, 10 pp.

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Sci - Chemistry
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Study of Age-Linked Characteristics of Protein Regeneration in the Plasma and Tissues of White Rats by the Use of Labeled Methionine, by R. I. Salgenik, 10 pp.

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NIK

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Sci - Biology

SLN 57-1263

May 57

The Hydrolysis of Elastin by Dilute Alkali and Basic Copper Sulphate, by K. J. Yoffee, V. M. Sorokin.

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1954, pp 652-655.

Sci Mus Lib Tr 56/411A

Sci - Chem
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Effect of Denervation Upon the Glucolytic
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L. F. Kantor.

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Sci-Biol

Oct 63

The Influence of Temperature of the External Medium
and Diverse Quantities of Albumin in food on the Weight
of Body and a Few Characteristics of the Metabolism
of Liver in Connection with the Problem of Optimum
Content of Albumin in Ration, by A. S. Polezhaev-
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RUSSIAN, per, Biokhimiya, Vol XX, 1955, pp 57-65.

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Jul 59

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Effect of the Tumor Extracts on the Catalase and
Coenzyme AK A of the Liver of Normal Mice, by A. N.
Kuzin, K.S. Sherukhova (Sharouhov), I. A. Chudinova
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RUSSIAN, per, Biokhim, Vol XX, 1955, pp 126-128.

ABC Tr 3186

Sci - Med

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The Biochemical Composition of Deep-Water Marine Mud
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Scientific - ~~Chemistry~~

Jan 56/dax

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Intensity of Proteolysis and Rate of Inclusion
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NIH Tr 11-25

Sci - Medicine
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Contribution to the Question of the Role of the
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RUSSIAN, par, Biokhimiia, Vol XI, No 2, 1955,
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MTB

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Role of Trace Elements in Nutrition of Plants
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Quantitative paper Chromatography of the Outchols
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The Effect of B₆-Avitaminosis on Sulfur Metabolism
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Organism, by B. Ia. Volovnik, 13 pp.

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(UDD 27702)

Adenosine Triphosphoric Acid, Phosphocreatine, and
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Gerasimovich, L. G. Erosvitskaya, 15 pp.

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